

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for securing a wireless communication medium using a Subscriber Identity Module (SIM) card, comprising:

determining a SIM card insertion and if so, accessing SIM data and transmitting the SIM data to a base station for comparison with a local copy of an authorized user data file;

granting mobile unit access to the base station if the ~~information matches~~ comparison is indicative of a match and otherwise indicating an access failure; and

if the mobile unit access is granted, determining a desired level of service and dynamically adjusting a number of time slots assigned to the wireless communication medium during data transmission to remain within limits of the desired level of service.

Claim 2 (currently amended): The method of claim 1, wherein the wireless communication medium conforms to an 802.11 specification.

Claim 3 (currently amended): The method of claim 1, wherein the wireless communication medium conforms to a Bluetooth specification.

Claim 4 (currently amended): The method of claim 1, wherein the wireless communication medium operates is at ~~approximately~~ 2.4 gigahertz.

Claim 5 (cancel)

Claim 6 (currently amended): The method of claim ~~[[5]]~~ 1, wherein the dynamic adjusting comprises:

determining available time-slot resources;

detecting the wireless communication medium that fails to meet said desired level of service;

allocating the wireless communication medium to a configuration having ~~[[a]]~~ additional time slots~~[[,]]~~; and

transmitting ~~an additional~~ a channel assignment message including information on the allocated configuration with the additional time slots.

Claim 7 (currently amended): The method of claim ~~[[5]]~~ 6, further comprising instructing transceivers to communicate only in their newly allocated time-slots.

Claim 8 (currently amended): A method for data transmission over first and second wireless media that ~~overlaps~~ overlap in frequency, comprising:

securing access ~~accessing~~ using a SIM card;

selecting one of the first and second wireless media as a common wireless medium; and

routing the data transmission through the common wireless medium.

Claim 9 (currently amended): The method of claim 8, wherein the common wireless medium conforms to an 802.11 specification.

Claim 10 (currently amended): The method of claim 8, wherein the common wireless medium conforms to a Bluetooth specification.

Claim 11 (currently amended): The method of claim 8, wherein the common wireless medium operates at ~~approximately~~ 2.4 gigahertz.

Claim 12 (currently amended): A method for data transmission over first and second wireless media that ~~overlaps~~ overlap in frequency, comprising:

securing access using a SIM card;

selecting one of the first and second wireless media as a common wireless medium; and

instructing transceivers for the first and second wireless media to communicate only through the common wireless medium.

Claim 13 (currently amended): The method of claim 12, wherein one of the wireless media conforms to an 802.11 specification.

Claim 14 (currently amended): The method of claim 12, wherein one of the wireless media conforms to a Bluetooth specification.

Claim 15 (currently amended): The method of claim 12, wherein the first and second wireless media operate ~~operates~~ at ~~approximately~~ 2.4 gigahertz.

Claim 16 (currently amended): The method of claim 12, wherein a packet is initially transmitted at the highest rate supported by both wireless media.

Claim 17 (original): The method of claim 16, further comprising retrying the packet at the next lower rate if the packet is not successfully acknowledged.